

GOLF COURSE IN RESIDENTIAL DISTRICTS

SPECIAL PERMIT RULES AND REGULATIONS



PLANNING BOARD

TOWN OF ACTON

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Application for a Golf Course Special Permit

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SECTION 1

GENERAL PROVISIONS

1.1 Authority

These RULES are adopted by the Planning BOARD as authorized by M.G.L. Chapter 40A and the Acton Zoning BYLAW.

1.2 Purpose

The purpose of these RULES is to establish uniform procedures for conducting the business of the BOARD under its jurisdiction as a Special Permit Granting Authority for GOLF COURSES in Residential Districts Special Permits.

1.3 Applicability

Any person applying for a GOLF COURSE in a Residential Districts (GOLF COURSE) Special Permit under the BYLAW, whether or not governed by any other federal, state, or local regulations, laws, permits, variances, approvals, or programs, shall comply with the provisions of these RULES.

1.4 Definitions

Defined terms are capitalized in these RULES.

APPLICANT	Any person or such person's authorized representative who files an APPLICATION for a PERMIT under the BYLAW.
APPLICATION	All plans, forms, reports, studies or other documents which are submitted to the BOARD under these RULES by an APPLICANT.
BOARD	The Planning BOARD of the TOWN of Acton.
BYLAW	The Zoning BYLAW of the TOWN of Acton, as amended.
DECISION	Action by the BOARD on an APPLICATION.
GOLF COURSE	For purposes of this document, any public or private GOLF COURSE or country club, including ACCESSORY USES, BUILDINGS, and STRUCTURES (as referred to in Section 3.5.17 of the BYLAW), located in a residential zoning district.
PARTIES IN INTEREST	The APPLICANT; abutters; owners of land directly opposite on any private or public STREET or way; and abutters to the abutters within three hundred feet of the property line of the APPLICANT as they appear on the most recent applicable tax list, notwithstanding that the land of any such owner is located in another city or town; the Acton Planning Board; and the Planning Board of every abutting city or town.
PERMIT	A GOLF COURSE in Residential Districts Special PERMIT under the BYLAW.
RULES	The GOLF COURSE in Residential Districts Special PERMIT Rules and Regulations as contained herein.
TOWN	The TOWN of Acton.

Other Definitions - Refer to the "Definitions" section of the BYLAW for additional defined terms which are also capitalized when used in these RULES.

1.5 Waiver of RULES

Strict compliance with these RULES may be waived if the BOARD finds that the waiver is in the public interest or is irrelevant to the project, and is consistent with the intent and purpose of the BYLAW and these RULES.

Any request from an APPLICANT for a waiver of these RULES must be submitted, in writing, to the BOARD at the time of submission of the APPLICATION. Such requests must clearly identify the provision(s) of the RULES from which relief is sought and be accompanied by a statement setting forth the reasons why, in the APPLICANT'S opinion, the granting of such a waiver would be in the public interest or the specific information required is irrelevant to the project, and why a waiver would be consistent with the intent and purpose of the BYLAW and these RULES.

1.6 Provision of Security

The BOARD may require in its DECISION that security be posted with the TOWN in such form and amount as is required by the BOARD to secure the satisfactory completion of all or any part of the work authorized under a PERMIT. The form of security shall be generally as required in the Town of Acton Subdivision Rules and Regulations.

1.7 Advice from TOWN Staff

Any advice, opinion, or information given to the APPLICANT by a BOARD member, or by any agency, official, or employee of the TOWN shall be considered advisory only and not binding on the BOARD.

1.8 Amendments to the RULES

The RULES may be amended by a majority vote of the BOARD in a public meeting.

SECTION 2

PRELIMINARY REVIEW

2.1 Preliminary Consultations

Consultations between a prospective APPLICANT and the professional staff of the TOWN prior to the filing of an APPLICATION under these RULES with the BOARD are strongly recommended and can prevent serious delays in the processing of the final APPLICATION.

Any action or communication initiated by the APPLICANT prior to the filing of an APPLICATION with the Town Clerk and the BOARD shall not constitute a PERMIT APPLICATION. The following RULES shall apply to such preliminary consultations.

2.2 Form of Request

At least 4 copies of all materials to be reviewed shall be provided to the Planning Department along with a letter requesting a review and including the name, address, and phone number of a person who may be contacted concerning the review. All correspondence and communication must be sent through the Planning Department or a copy of said communication must be provided to the Planning Department.

2.3 Scope of TOWN Staff Reviews

The TOWN staff will review preliminary materials in an attempt to avoid unnecessary technical deficiencies in the final APPLICATION and to promote efficiency in the formal review process. Staff will limit their review of such materials to technical issues appropriate to their area of expertise and to assessments of whether the project in question adequately addresses major issues of concern to the TOWN and the neighborhood. In general, staff will complete the preliminary review within 30 days. Staff will not be responsible for assuring the thoroughness, completeness, or correctness of any final APPLICATION. It is the responsibility of the APPLICANT to assure that any APPLICATION to the BOARD is complete and accurate.

Through the preliminary review process staff will make recommendations for any fee waivers or additional deposits that may be appropriate. Note that substantial changes in the project may require the alteration of these recommendations at the time of final submission. In all cases APPLICANTS shall contact the Planning Department prior to the final submission to discuss these fees.

If any other Special Permits are required from the BOARD for the project, then these should be discussed with the staff at this time.

2.4 Fees

The first such preliminary review by staff of an APPLICATION shall be free of charge. Subsequent preliminary reviews shall require payment of a fee by the prospective APPLICANT of \$500 at the time of submission. The fee shall be submitted in check form and made payable to the "Town of Acton".

SECTION 3

CONTENTS OF AN APPLICATION

3.1 APPLICATION Form

An APPLICATION for a PERMIT which lacks information or is incomplete in any manner may be denied or seriously delayed. It is the responsibility of the APPLICANT to assure the accuracy and completeness of all information submitted to the BOARD as part of an APPLICATION. The APPLICANT shall be responsible for factually supporting all points relied upon in the APPLICATION including references for methodologies Used in design calculations.

A complete APPLICATION for a PERMIT shall include the following items.

- 3.1.1 Any APPLICATION for a PERMIT shall be made in writing and include the completed APPLICATION form entitled "Special Permit Application for a GOLF COURSE in Residential Districts" attached to these RULES and also available from the office of the BOARD at Town Hall. In the case where the APPLICANT is a person other than the record owner of the property, the APPLICANT shall obtain the owner's signature on this form indicating that the owner has knowledge of and consents to the APPLICATION. If the APPLICANT is acting in the name of a trust, corporation or company, an authorizing vote shall be attached.
- 3.1.2 Twenty-four (24) copies of the APPLICATION, twelve (12) full size plan sheets and twelve (12) reduced size (11" x 17") copies of the plan sheets shall be required at the time of submission of an APPLICATION. Each copy of the APPLICATION shall be folded so that it will fit neatly into a letter sized file folder.

3.2 Development Impact Report

A completed Development Impact Report (see Appendix - Form DIR)

3.3 Certified Abutters List

List of abutters and abutters to abutters that are PARTIES IN INTEREST as defined in these RULES, taken from the most recent tax list of the TOWN and certified by the Town Assessor. The APPLICANT shall pay any charges required by the Town Assessor for the list.

3.4 USE Description

Detailed description of the existing USES, type of proposed GOLF COURSE and ACCESSORY USES, the proposed USES and form of ownership of the public ACCESS if applicable, and any improvements proposed thereon. The APPLICANT shall declare which proposed USES within the GOLF COURSE are expected to generate, store, USE, or dispose of hazardous materials or wastes. Activities on the site must comply with the TOWN's Hazardous Materials Control Bylaw.

3.5 Other Permits and Variances

List and copies of variances, permits, and other special permits previously issued by other TOWN boards or State and Federal agencies, and a list of any variances or permits required to complete the proposed work. This list should include but not be limited to any permits from the Board of Health, the Conservation Commission, the Board of Appeals, the

Planning Board, the Massachusetts Highway Department, the Army Corp. of Engineers, and the State Dept. of Environmental Protection; and certificates issued by the Secretary of Environmental Affairs under the Massachusetts Environmental Policy Act.

NOTE: If any other special permits are required from the BOARD, the APPLICANT is hereby strongly advised to make the APPLICATIONS for such additional permits concurrently with this PERMIT APPLICATION.

3.6 Recorded Plans and Deeds

A copy of the most recently recorded plan(s) and deed(s) for the LOT(S) on which the work will take place bearing the book number(s), page number(s), and date(s) of recording(s) or registration(s).

3.7 Letter Authorizing TOWN Entry

A letter authorizing TOWN representatives to enter on the GOLF COURSE to complete the aspects of the plan or plans for which the APPLICANT seeks a PERMIT that are necessary to protect the natural, water, historic and other resources of the TOWN if the developer does not complete them according to his obligations.

3.8 Mortgage Holders

A list of mortgage holders which shall be kept current during the period of development.

3.9 Drainage Calculations

Storm drainage runoff calculations used for the drainage system design must be prepared by and display the seal of a Registered Professional Engineer and must support the sizing of all drainage STRUCTURES and pipes. These calculations must be based on a recognized standard method (usually the Rational or Soil Conservation Service Methods). The calculations must contain a written summary explaining the rationale of the design so that a lay person can understand the basic design approach and its validity for the site in question. Furthermore, the calculations should be fully documented including copies of charts or other reference sources to make review possible. The pre- and post-development runoff rates must be provided. If applicable, the methods Used to comply with the "Stormwater Runoff" design standards of the BYLAW shall be described. The USE of computer generated reports is acceptable, however, the source of the software should be identified. Design of the storm drainage system can generally be based on a 10-year storm event; however, the system design shall not result in serious flood hazards during a 100-year storm.

3.10 Earth Removal Calculations

Calculations for determining the amount of earth to be removed or the amount of fill to be brought to the site shall be prepared by and show the seal of a Registered Professional Engineer.

3.11 Water Balance Calculations

The portion of the site in each Groundwater Protection District Zone shall be noted. A hydrologic water balance calculation for pre- and post-development conditions based on annual precipitation that quantifies evapotranspiration, runoff, recharge, and septic flow shall be included. Compliance with all applicable portions of Sect. 4.3 of the BYLAW shall be demonstrated.

3.12 Traffic Study

A traffic impact study shall be required to avoid lengthy delays in the processing of an APPLICATION, consultations should be made by the APPLICANT with the Planning Department during the preliminary review process to determine the scope of the traffic impact study. In general, a traffic study shall examine and include the following:

- 3.12.1 EXISTING TRAFFIC CONDITIONS including roadway geometries, traffic volumes, safety, delays, and levels of service for roads and intersections (whether in Acton or another town) affected by the proposed GOLF COURSE.
- 3.12.2 ACCURATE TRAFFIC GENERATION ESTIMATES of future traffic conditions including trip generation, trip distribution, volume to capacity ratios, and levels of service for existing roads and intersections (whether in Acton or another town) affected by the proposed GOLF COURSE at the time of anticipated completion and 5 years beyond anticipated completion. Impacts of other previously approved projects and of projects pending approval shall be taken into consideration (consult the Planning Department for list of such projects). Approach and departure route assignments shall be based on existing traffic patterns, minimum time paths, "journey to work" data, market studies, or a combination thereof. All traffic information shall include data for both AM and PM peak hours, weekend peaks, as well as average daily data. Sight distances for turning movements to and from the GOLF COURSE must be analyzed using AASHTO (American Association of State Highway and Transportation Officials) standards. The adequacy of vehicular queuing storage at the GOLF COURSE entrances shall also be demonstrated. The impact of any planned phasing of the project shall be discussed. Additionally, the APPLICANT shall submit a report comparing traffic generated by the GOLF COURSE proposal with traffic generated by the site if it were developed as a residential subdivision.
- 3.12.3 MITIGATION MEASURES that could be taken to reduce the traffic impacts of the proposed GOLF COURSE and their estimated cost. These should include capacity enhancements such as added turn lanes, signalization, and improvements to intersections and medians. The traffic study shall make specific proposals for mitigation measures to be implemented by the APPLICANT. The potential for driveway connections to neighboring LOTS must be explored. The study should take into account those improvements that are planned and/or currently implemented by the TOWN or the State, and any proposed improvements must be consistent with the TOWN'S Master Plan.

3.13 GOLF COURSE Site Plan

A GOLF COURSE site plan shall be legibly drawn to fully detail and explain the intentions of the APPLICANT. Additionally, the entire plan shall be designed consistent with "Environmental Principles for Golf Courses in the United States" published by The Center for Resource Management; Salt Lake City, Utah; amended through 1996.

A GOLF COURSE site plan shall be drawn at a standard scale (1 inch = 20, 40, or 50 feet) except when noted otherwise. All plans shall include a reasonable numbering or other identification system for LOTS and BUILDINGS. Each plan sheet shall feature a north arrow, a legend identifying any representative symbols used on the sheet in question, an appropriate title block in the lower right hand corner, and the seal of a Registered Professional Engineer, Registered Land Surveyor, Registered Landscape Architect, Registered Professional Architect, or some combination of these as appropriate to the data on the sheet. Additionally, the entire APPLICATION shall be certified by a practicing

member of the America Society of Golf Course Architects. Topography and all elevations shall be referenced to the National Geodetic Vertical Datum of 1929 with the location and elevation of the starting bench mark plus at least two additional temporary bench marks on the site.

The individual components of the GOLF COURSE site plan (i.e. Master Plan, Natural Features and Existing Conditions Plan, etc.) may be presented on as many plan sheets as necessary to present clear and legible plans. The APPLICANT has the flexibility to choose which information is shown on each plan sheet, as long as the plans are legible, logical, consistent, and contain all the information listed below. Match lines shall be placed in plan locations that feature a minimum of information. Sufficient overlap between plan sheets shall be provided to permit easy reading of plans across match lines. Unless other arrangements are made with staff during the preliminary review process, the GOLF COURSE site plan shall consist of the following:

- 3.13.1 A Master Plan on either one or two sheets showing:
 - 3.13.1.1 A legible locus map showing an area a minimum of one mile diameter with major STREETS, brooks, streams, rivers and other landmarks shown with sufficient clarity to show the relationship of the GOLF COURSE to the community, its facilities and major features.
 - 3.13.1.2 The proposed layout of the GOLF COURSE drawn to a scale suitable to fit the entire development onto one sheet and showing the proposed approximate layouts of driveways and parking LOTS, boundaries of the GOLF COURSE, BUILDINGS and STRUCTURES, golf cart paths, walkways, tees, fairways, greens, holes, practice areas; existing STREETS, waterways, wetlands, bridges, dams, wells, known archaeological sites; areas to be developed, public ACCESS areas and areas to be left undeveloped within the GOLF COURSE boundaries; and all zoning district boundaries within or adjacent to the site.
 - 3.13.1.3 Project name or title, date, sheet index, names and addresses of the owner of record, the APPLICANT, the engineer and the land surveyor, the professional golf course architect, the book and page number of the recording of the deed or the Land Court certificate.
 - 3.13.1.4 The proposed distribution of the various USES and ACCESSORY USES by STRUCTURE and BUILDING.
 - 3.13.1.5 All easements.
 - 3.13.1.6 ACCESS driveways to the GOLF COURSE including intersections with existing STREETS, and ACCESS driveways and intersections within 200 feet of the ACCESS driveways serving the GOLF COURSE, with centerline offsets dimensioned.
 - 3.13.1.7 A table showing the legal requirements and the actually proposed dimensions or calculations to easily determine compliance of the GOLF COURSE as a whole with the requirements for setbacks, NET FLOOR AREA, the number of parking spaces, and any other information that may be necessary to demonstrate compliance with the BYLAW.

- 3.13.2 A Natural Features and Existing Conditions Plan showing:
- 3.13.2.1 Site features such as, but not limited to flood plains, waterways, drainage courses, ponds, ledge outcroppings, soil characteristics, existing vegetation, and any species occurring on the site that is listed by the Massachusetts Natural Heritage Program as endangered, threatened and/or of special concern, or as rare native plants.
 - 3.13.2.2 All existing monuments and improvements such as, but not limited to BUILDINGS, STRUCTURES, roads and driveways, paved areas, stone walls, underground and above ground storage tanks, wastewater disposal systems, wells, historic STRUCTURES and BUILDINGS, archeological sites, and scenic vistas; indicate final disposition of any existing BUILDING, STRUCTURE and other improvements, whether they are to remain or to be removed (on separate sheets if necessary).
 - 3.13.2.3 Existing contours of the land shown at two (2) foot intervals, and at one (1) foot intervals within the Flood Plain District.
 - 3.13.2.4 If the GOLF COURSE is located in Zones 1, 2 or 3 of the Groundwater Protection District, the contours of the maximum groundwater elevation shall be shown in sufficiently close intervals along with the location and results of adequate field investigations, to easily determine compliance with the 'Depth to Groundwater' requirements of the BYLAW.
 - 3.13.2.5 All wetlands and wetland buffer area boundaries defined as those areas subject to the provisions of the Wetlands Protection Act, MGL, Chapter 131, Section 40, and the Acton Wetlands Bylaw.
 - 3.13.2.6 The perimeters of all proposed improvements such as, but not limited to BUILDINGS, STRUCTURES, tees, fairways, greens, holes, golf cart paths, driveways and paved areas, overflow parking LOTS, superimposed on the natural features plan in a faded or screened back mode.
- 3.13.3 A Site Development Plan showing site conditions for the following characteristics:
- 3.13.3.1 The perimeter boundary and area of the GOLF COURSE with bearings and distances.
 - 3.13.3.2 All zoning classifications and zoning district boundaries, including the boundaries of the Flood Plain District (with elevations), the Affordable Housing Overlay District and the Groundwater Protection District, if applicable.
 - 3.13.3.3 Proposed topography at 2-foot intervals, and at 1-foot intervals within the Flood Plain District.
 - 3.13.3.4 The proposed layout and acreage of any public ACCESS showing proposed ownership and intended USE; all proposed improvements to be located within the public ACCESS, with percent of total GOLF COURSE area.
 - 3.13.3.5 Location of any special site features including, but not limited to waterways, wetlands, ponds, bridges, dams, drainage courses, ledge outcroppings, stone walls, historic STRUCTURES, archaeological sites, fences, and wells, with indication of any proposed alterations if the feature is existing.

- 3.13.3.6 Location and layout of all proposed driveways, intersections with existing STREETS, golf cart paths, walkways, sidewalks, parking LOTS, overflow parking LOTS, fire lanes, loading areas and other impervious covers with proposed finished grades along the center line or as appropriate, and with all dimensions necessary to determine compliance with the BYLAW.
- 3.13.3.7 The size of the largest truck expected to USE the site shall be noted and all turning radii must be sufficiently sized to accommodate that size. The smallest size for the design shall be the SU-30 design vehicle so that fire trucks will have adequate maneuvering space.
- 3.13.3.8 Parking spaces must be identified as either standard size, smaller car size, or handicapped parking spaces with a parking space typical for each showing actual dimensions. The location of any signs intended to be used for identification of handicapped parking spaces must be shown. Parking spaces do not have to be shown for overflow parking LOTS; however, the number of parking spaces that can be accommodated by the overflow parking LOTS must be identified.
- 3.13.3.9 Location and outline or footprint of all BUILDINGS or STRUCTURES with finished floor elevation and dimensions and indication of the number of stories, NET FLOOR AREA, and intended USE.
- 3.13.3.10 Setbacks for BUILDINGS, STRUCTURES, parking LOTS, and accessory recreation facilities; buffer areas and buffer strips; and any other dimensions necessary to easily determine compliance with the dimensional requirements of the BYLAW.
- 3.13.3.11 Any areas intended for open (outdoor) storage with purpose identification label and dimensions.
- 3.13.3.12 All easements.
- 3.13.3.13 Location and type of storm water drainage facilities, including notes on the construction materials and dimensions of any pipes, culverts, catchbasins, overland drainage channels or swales, or any other system component unless clearly depicted on the Construction Details Plan. Sufficient information relating to placement of the drainage system components (rim and invert elevations, pipe slopes, amount of cover, etc.) shall be shown so that the operation of the system and impacts on surface and groundwater can be evaluated. Any retention and/or detention ponds intended to be constructed shall be shown fully dimensioned.
 - 3.13.3.13.1 Storm Water Runoff – The peak rate of storm water runoff from the development site shall not exceed the rate existing prior to the new construction based on a 10-year design storm. The storm water drainage facilities on the site shall be designed to prevent any overflow onto a driveway or STREET.
- 3.13.3.14 Location of storage tanks for fuel or other chemicals, fertilizer and pesticide storage, and any other hazardous materials or waste storage, including the tank types and storage capacities.
- 3.13.3.15 Location and type of existing and proposed drinking water services including wells. If the site is to utilize an on-site well, its proposed location must be shown in addition to its setbacks from any BUILDING, STRUCTURE, tee, fairway, green, hole, practice area, or

wastewater disposal system. If public water services are to be utilized, then the water main that will service the site must be shown and identified.

- 3.13.3.16 All fire hydrants on the site or off the site but within 500' of any BUILDING within the GOLF COURSE. If no fire hydrants are located within such distance, then a note shall appear clearly explaining how the APPLICANT will provide fire protection to the site. The location of any proposed municipal fire alarm boxes or other warning systems and any proposed fire lanes shall be clearly shown and identified. Any underground conduit for municipal fire alarm connections shall be shown.
- 3.13.3.17 The location and type of any other underground utilities including but not limited to electric, gas, telephone, or cable television services. Any emergency power facilities should also be shown.
- 3.13.3.18 Type and location of any solid waste disposal facilities and appropriate screening of dumpsters.
- 3.13.3.19 Location and perimeter outline of any on or off-site, existing or proposed wastewater treatment and disposal system including any required reserve areas. The type of the wastewater disposal system shall be identified and described. Actual design and construction specifications for a wastewater disposal system are not required. The proposed location of sewer lines must be shown.
- 3.13.3.20 Other necessary documentation to show compliance with the BYLAW.
- 3.13.4 Plan and Profile showing:
 - 3.13.4.1 Design and layout of main ACCESS driveways.
 - 3.13.4.2 A horizontal scale of 1" = 40' and a vertical scale of 1" = 4'.
 - 3.13.4.3 Existing grades along the centerline and both side lines of the main ACCESS driveways with the centerline dimensioned.
 - 3.13.4.4 Proposed finished centerline grades with elevations at every 50-foot stations, location of vertical curves and gradient of even grades.
 - 3.13.4.5 The proposed sidewalk layout.
 - 3.13.4.6 Proposed layout of storm drainage system, water supply system, fire hydrants, fire call box system, sewer lines, and all other utilities.
 - 3.13.4.7 Identification, location, inverts, slopes, grades, stations and sizes of all utilities and appurtenances.
- 3.13.5 A Construction Details Plan showing:
 - 3.13.5.1 Typical detail and dimensions of a proposed catchbasin, diversion box, emergency slidegate, manhole, headwall, retaining wall, drainage pipe, walkway, curbs, ramps, subdrain, waterway, leaching basin, drainage pond, or other similar improvements. In Groundwater Protection District Zones 1, 2, and 3, catchbasins must be precast concrete with gas traps (Lebaron L-219, Neenah 3705, or equivalent), unless the

superiority of a different design can be demonstrated. Precast catchbasins must show gas traps and construction joints sealed with a minimum of 1" butyl-rubber gas tight sealant or equivalent caulking material.

- 3.13.5.2 Typical cross section and construction materials of proposed driveways, golf cart paths, sidewalks and walkways, loading areas, and fire lanes.
- 3.13.5.3 Typical detail of each type of parking space to be Used on the site showing the dimensions of the parking space so that compliance with parking area design standards of the BYLAW is evident.
- 3.13.5.4 Outdoor lighting details.
- 3.13.5.5 Plan notes that: 1) forbid the USE of fill containing hazardous materials or waste in accordance with the BYLAW; 2) require the marking of the limits of work in the field prior to the start of construction or site clearing; 3) require the cleaning of catchbasin sumps and storm water basins following construction and annually thereafter; 4) restrict the hauling of earth or construction debris to or from the site to the hours between 9 A.M. and 4 P.M. on weekdays if such materials are intended to be removed from or brought to the site; 5) describe the materials to be Used in the construction of impermeable surfaces such as golf cart paths, sidewalks and driveways (structural sections shall be suitable for the intended USE; see the BYLAW and Acton Subdivision Rules and Regulations for structural sections for driveways, roadways, and sidewalks); 6) make reference to any other design, operation or construction requirements in compliance with these RULES, the BYLAW, and the Acton Subdivision Rules and Regulations.
- 3.13.6 A Planting and Landscaping Plan showing:
 - 3.13.6.1 General site features including but not limited to the perimeter boundary of the GOLF COURSE, existing and proposed BUILDINGS and STRUCTURES, tees, fairways, greens, holes, practice areas, parking and loading areas, curbs, golf cart paths, walkways, land contours where slopes are greater than 15%, water bodies, wetlands, streams, ledge outcroppings, and large boulders so that it may be easily related to the other plans.
 - 3.13.6.2 Landscape treatments planned for the site including areas where existing vegetation will be cleared, partially cleared, retained, restored, or enhanced; and areas where vegetation will be planted.
 - 3.13.6.3 Any area intended to meet parking LOT landscaping area requirements of the BYLAW shall be fully dimensioned and its area noted so that compliance with BYLAW requirements may be determined. Landscaping is not required for overflow parking LOTS; however, the BOARD may require overflow parking LOTS to be buffered and screened to protect abutting residences and businesses.
 - 3.13.6.4 A planting table with the botanical and common name of each species, its height (at planting), its spread (at maturity) and the quantity intended to be planted, along with the symbols Used to represent the plants on the plan.
 - 3.13.6.5 A typical detail of a tree well, tree planting, and specialty planting area if applicable.

- 3.13.6.6 The limits of work beyond which no disturbance during construction will be permitted, and a plan note requiring that the limits of work be staked out at the site and maintained at all times. In the vicinity of trees, the limits of work shall follow the drip line of the trees.
- 3.13.6.7 The perimeter of any existing wooded areas on the site with existing wooded areas intended for preservation noted; and the location, size, and proposed fate of any existing trees larger than 16" in diameter identified.
- 3.13.6.8 The location of any existing and proposed outdoor lighting installations and signs.
- 3.13.7 An Erosion and Sedimentation Control Plan showing:
- 3.13.7.1 Adequate protective measures during development and construction to minimize damage from surface water to the cut face of excavations or the sloping surface of fills.
- 3.13.7.2 Size and location of land to be cleared at any given time and length of exposure time. Land shall be developed in increments of workable size that can be completed during a single construction season. Erosion and sediment control measures shall be coordinated with the sequence of grading, development, and construction operations. Control measures such as hydroseeding, berms, interceptor ditches, terraces, and sediment traps shall be put into effect prior to the commencement of each increment of the development/construction process.
- 3.13.7.3 Sediment basins (debris basins, desilting basins, or silt traps) installed in conjunction with the initial grading operations and maintained through the development process to remove sediment from runoff waters draining from land undergoing development.
- 3.13.7.4 Erosion clean up
A note stating that the developer is required to clean up any sand, dirt, or debris which erodes from the GOLF COURSE onto any driveway, public STREET or private property, and to remove silt or debris that enters any existing drainage system including catch basin sumps, pipe lines, manholes and ditches.
- 3.13.7.5 Velocity Check Dams
Hay bales shall be Used around the catch basins on the proposed driveways to protect them from the eroding soils and provide a check dam* to slow the runoff during the construction. The developer shall provide velocity check dams* in all unpaved driveway areas at the intervals indicated below:

<u>Grade of the Driveway</u>	<u>Intervals between Check Dams</u>
Less than 4%	100 feet
4% to 10%	50 feet
over 10%	25 feet

The developer shall provide velocity check dams* in all unvegetated or unpaved channels at the intervals indicated below:

<u>Grade of the Channel</u>	<u>Intervals between Check Dams</u>
Less than 3%	100 feet
3% to 6%	50 feet
over 6%	25 feet

- * Check dams in unpaved driveways and unvegetated or unpaved graded channels may be constructed of staked hay bales or other erosion resistant materials approved by the Acton Engineering Department. The check dams shall be installed at the end of each working day, and in the event of rainfall being predicted. The hay bales should be securely staked to prevent overturning, floatation, or displacement. They shall extend completely across the driveway or channel at right angles to the centerline. Also, a velocity check dam shall be provided along the entrance of the site to protect the public STREETS and adjacent properties from the hazards of erosion. All check dams shall be cleaned out of all debris and silt periodically.

3.13.8 Architectural Floor and Elevations Plan showing:

3.13.8.1 Floor Plans for each floor of each BUILDING whether such BUILDING is existing or proposed, and how the various parts of the BUILDING will be used. Any accessories to the BUILDING shall be shown (ie: patio, foyer, etc.) and each floor plan must be dimensioned to show the NET FLOOR AREA. The Floor Plans shall be drawn at a legible scale suitable to fit an entire BUILDING(S) onto one sheet.

3.13.8.2 BUILDING and STRUCTURE elevations for the front, sides, and rear of each BUILDING, which include the proposed architectural treatments to the BUILDING such as roofing, siding, and window materials; at a legible scale suitable to fit an entire BUILDING(S) onto one sheet. BUILDING and STRUCTURE heights shall also be shown.

3.13.9 Staking or Routing Plan showing:

3.13.9.1 General site features including but not limited to the perimeter boundary of the GOLF COURSE, proposed BUILDINGS and STRUCTURES, parking and loading areas, curbs, walkways, land contours where slopes are greater than 15%, water bodies, wetlands, streams, ledge outcroppings, and large boulders so that it may be easily related to the other plans.

3.13.9.2 The complete layout of golf game elements including the design, layout, and number of each hole, indication of par and length of each hole in yards by tee location, the location of all tees for each hole; the fairway and fairway landing areas for noncontinuous fairways, including its centerline and width; practice areas, greens, sand traps, water hazards; and fences, shelters, golf cart paths, and pedestrian trails on the course.

3.13.9.3 A note with the total par, yardage, and acreage of the GOLF COURSE.

3.13.9.4 For each hole, the centerline and important points shall be staked in the field.

3.13.10 Turf Management and Irrigation Plan showing:

3.13.10.1 Descriptions of the proposed turf and landscaping material; how turf grass will be managed and monitored; areas of high, medium, and low turf maintenance; the pesticides and other chemicals and fertilizers to be Used and their purpose, and written procedures for their application and disposal including equipment cleaning procedures; who will be handling and applying the pesticides, other chemicals and fertilizers; the level of certification and training to be required for a pesticides applicator; the quantities and rates at which pesticides and other chemicals and fertilizers will be applied, and procedures for their application; and any proposed management techniques designed

to minimize impacts on natural, surface water, groundwater, and other resources. Storage and handling of chemicals shall be in compliance with the Acton Hazardous Materials Control Bylaw.

- 3.13.10.2 Site features such as but not limited to the perimeter boundary of the GOLF COURSE, proposed BUILDINGS and STRUCTURES, land contours where slopes are greater than 15%, water bodies, wetlands, and streams; the boundary and acreage of the area to be irrigated; water sources; the entire irrigation system layout including but not limited to wells, irrigation ponds, and pumps, and other essential system components; daily irrigation schedules; estimated daily water consumption (and effluent consumption for irrigation, if applicable) by season; estimated annual water consumption; and a contingency plan in case of a water shortage.
- 3.13.11 A Business Plan identifying:
 - 3.13.11.1 The months and hours of operation of the GOLF COURSE.
 - 3.13.11.2 The maximum number of members of the GOLF COURSE and the maximum number of visitors anticipated for the GOLF COURSE in one day.
 - 3.13.11.3 Financing mechanisms to develop, construct, and operate the GOLF COURSE; the estimated annual budget with itemized revenues and expenditures of the GOLF COURSE; and any other financial information that would assist staff or an outside consultant with reviewing the proposal.
 - 3.13.11.4 The types of special events, tournaments, or other functions that may occur at the GOLF COURSE including information on but not limited to the times of year the functions would likely occur, hours of the day the functions would likely occur, types of participants, maximum number of participants anticipated for any one function, traffic mitigation measures, and parking areas that would be Used.
 - 3.13.11.5 Current or anticipated participation or certification in a professional GOLF COURSE or environmental program such as the Audubon International Cooperative Sanctuary or Signature Programs for Golf Courses.
 - 3.13.11.6 Any education, public information, outreach, or community service projects that will be conducted, including who will participate, information to be discussed, and when and how often they will occur.
 - 3.13.11.7 Any days or times the GOLF COURSE would be open to the public.
- 3.13.12 An Impact Report detailing:
 - 3.13.12.1 Project related impacts on wetlands and other natural resource areas; water supply; surface water and groundwater resources; historic, archaeological, and cultural resources; transportation and ACCESS; and adjacent land, neighborhoods, and businesses.
 - 3.13.12.2 Any plans to mitigate potentially negative impacts on resources, if applicable, such as using water conservation measures, reducing pesticide and fertilizer applications, and enhancing wildlife habitats.

- 3.13.12.3 Pre-construction data on surface and groundwater quality and supply; anticipated annual irrigation amounts and how they will effect the water table and supply; and information on how the GOLF COURSE might effect any nearby municipal wells.
- 3.13.12.4 An assessment of financial impacts on TOWN finances and services from the GOLF COURSE.

3.14 Additional Information

- 3.14.1 The APPLICATION may contain whatever additional information the APPLICANT feels is necessary to properly inform the BOARD about the development including legal opinions, copies of deeds, historical data, studies, and reports.

The BOARD is empowered by the BYLAW to require information in addition to that specifically required by the BYLAW or by these RULES. The BOARD will require the APPLICANT to supply additional information if it finds that such information is necessary to properly act upon the APPLICATION in question.

- 3.14.2 In addition to the “Environmental Principles for Golf Courses in the United States,” the BOARD may USE the sustainable resource management principles from the Audubon International Signature Program for Golf Courses (Signature Program) as a guide during its review of the APPLICATION. Some of the principles from the Signature Program include encouraging:

- Resource management practices that have the least impact on wildlife, water, and life sustaining ecosystems;
- Using renewable resources whenever possible;
- Reducing and ultimately, minimizing or eliminating the use of nonrenewable resources;
- Activities that enhance existing resources, and that identify other existing resources, new resources, and new technologies;
- Practices that conserve water and continually enhance water quality on a global basis;
- Activities that support ecosystems that maintain and enhance biodiversity;
- Managing resources within the natural limitations and opportunities defined by ecosystems and geographic boundaries.

During the review of the APPLICATION, the BOARD may also refer to the Signature Program suggestions for reviewing site characteristics, wildlife habitats of the area, whether native plants and natural landscaping will be Used, how water and energy will be conserved, how waste will be managed, transportation and agricultural impacts, whether public ACCESS will be provided, and how the proposed BUILDINGS and entire project will blend in with the surrounding community.

SECTION 4

FILING PROCEDURES

4.1 Who May File an APPLICATION?

Anyone may file an APPLICATION for a PERMIT provided that the TRACT OF LAND proposed for development as a GOLF COURSE complies with the requirements of the BYLAW. The property owner of record shall sign the APPLICATION form thereby granting his/her consent to the filing of the APPLICATION.

4.2 APPLICATION Fees

Any APPLICATION shall be accompanied by a fee to cover the expenses incurred by the TOWN in reviewing the APPLICATION. The fee is not refundable. The fee shall be submitted in check form and made payable to the "Town of Acton". The GOLF COURSE APPLICATION fee shall be \$3500.00.

4.2.1 Additional Review Fee Deposits - So that the BOARD may make the findings required under the BYLAW and insure that the public safety will be protected, the BOARD may select and hire outside traffic, engineering, legal, environmental, GOLF COURSE, or planning consultants to review an APPLICATION. To cover the cost of these reviews a review fee deposit may also be required of an APPLICANT at the time of submission or at any appropriate time in the review process. As the scope of study and review will vary according to the size of a particular project, the APPLICANT is hereby strongly advised to consult the Planning Department concerning the scope and cost of any such studies during the preliminary review. Failure to do so could result in serious delays in the processing of the APPLICATION. The amount of the fee deposit will reflect the anticipated consultant fee(s) plus 10%. Note that some projects may require additional fees to cover further study if significant impacts or problems are found in the initial review. Any amount of the deposits remaining after the issuance of BUILDING permits for the proposed construction plus any remaining accrued interest will be repaid to the APPLICANT or the APPLICANT's successor in interest.

4.2.2 Appeal From the Selection of the Consultants - The APPLICANT may appeal from the selection of an outside review consultant to the Board of Selectmen. The grounds for such an appeal shall be limited to claims that the consultant selected has a conflict of interest or does not possess the minimum required qualifications of an educational degree in or related to the field at issue or three or more years of practice in the field at issue or a related field. The APPLICANT must specify the specific grounds which the APPLICANT claims constitute a conflict of interest or a failure to meet minimum professional requirements.

4.3 Submission to the TOWN Clerk and the BOARD

Two complete copies of the APPLICATION shall be submitted to the office of the Acton Town Clerk. The Clerk will certify the date and time of filing on both copies, keep one of the copies, and return the other to the APPLICANT. The copy returned by the Clerk and the remaining 22 copies of the APPLICATION, the 12 reduced size plan copies, and the required fees shall then be filed forthwith by the APPLICANT with the office of the BOARD during normal business hours. The APPLICANT may request and shall be entitled to a written receipt for the materials submitted.

Information submitted after the initial filing of the APPLICATION as described above will not be accepted except at the public hearing.

If significant information that was not included in the APPLICATION is presented at the public hearing, the hearing may be continued to allow for staff review of the new material. At least 12 copies of any additional materials submitted at the hearing shall be given by the APPLICANT to the Clerk of the BOARD at the hearing.

Questions concerning this process should be directed to the Planning Department.

4.4 Review of APPLICATION

The BOARD will transmit a copy of an APPLICATION to various other TOWN departments, boards, committees, agencies, or independent consultants in order to ensure full and qualified review of the APPLICATION. Thirty-five (35) days will be provided for such reviews; failure to submit comments on the APPLICATION shall be deemed an approval by the reviewing party. The BOARD will make available to the APPLICANT upon request a copy of any comments or recommendations received.

SECTION 5

PUBLIC HEARING & DECISION

5.1 Public Hearing Notice

The BOARD will hold a public hearing within 65 days of the APPLICATION filing date. Pursuant to M.G.L. ch. 40A, s. 11, the BOARD will give notice of the time and place of the public hearing and its subject matter, sufficient for identification, as follows:

- 5.1.1 By publication of the notice in a newspaper of general circulation in the Town of Acton once in each of two successive weeks, the first publication to be not less than fourteen days before the day of the public hearing. The newspaper will send the bill for the advertisement directly to the Applicant and the Applicant shall pay the bill directly to the newspaper.
- 5.1.2 By posting the notice in a conspicuous place in the Acton Town Hall for a period of not less than fourteen days before the day of the public hearing.
- 5.1.3 By mailing the notice certified mail to all PARTIES IN INTEREST. At least 21 days before the day of the public hearing, the APPLICANT shall submit to the Planning Department the certified mail letters containing the notice, addressed to each PARTY IN INTEREST, sender shown as the Town of Acton Planning Board, 472 Main Street, Acton, MA 01720. The envelopes are to be sealed, ready to be mailed, accompanied by one copy of the notice for the BOARD record, and payment to the Town of Acton for the cost of the certified mailings. In addition, submit a duplicate set of empty, open envelopes, standard postage prepaid, addressed to each PARTY IN INTEREST, sender as above, for the mailing of the decision notice.
- 5.1.4 Failure to properly notify PARTIES IN INTEREST and to publish a notice of the hearing could render the public hearing invalid and could cause serious delays in the processing of the APPLICATION.

5.2 Public Hearing Presentation

An APPLICANT may appear on his/her own behalf or be represented by an agent or attorney. It is the responsibility of the APPLICANT or his/her agent to present the APPLICATION to the BOARD and to the public. In the absence of an appearance, the BOARD may decide the matter using the information it has received. Failure to appear at a public hearing could seriously jeopardize the success of an APPLICATION.

- 5.2.1 Presentation of the APPLICATION by the APPLICANT should not exceed 10 minutes in duration except for good reason. The APPLICANT may be requested to answer questions raised by the BOARD or the public. The BOARD will retain any evidence which has been introduced at the hearing for reference in its deliberations on the case.
- 5.2.2 In no case will the BOARD allow new evidence to be admitted after the close of the public hearing unless this evidence was specifically requested by the BOARD prior to the close of the public hearing.

5.3 Withdrawal of APPLICATION

Any APPLICATION for a PERMIT submitted hereunder may be withdrawn without prejudice by notice in writing to the BOARD prior to the notice of a public hearing being posted or mailed pursuant to Sect. 5.1 above. Withdrawal of any APPLICATION thereafter requires BOARD approval. No refund of fees will be provided if an APPLICATION is withdrawn.

5.4 Time Period for Deliberation

The BOARD will act on each APPLICATION for a PERMIT within ninety (90) days after the public hearing, unless such APPLICATION has been withdrawn from consideration as set forth in Section 5.3 above.

- 5.4.1 Continuation & Extension - The period within which final action shall be taken may be extended for a defined period by written agreement between the BOARD and the APPLICANT. In the event that the BOARD determines that the APPLICATION is inadequate for the BOARD to make a finding, the BOARD may, at its discretion, continue the hearing to a later date to permit the APPLICANT to submit a revised APPLICATION. The BOARD may, at its discretion, require that an additional \$500 fee be paid by the APPLICANT prior to the close of the public hearing if such a continuation results from a deficiency in the original APPLICATION. Such a continuation may not automatically extend the 90-day period within which final action shall be taken by the BOARD unless the extension is agreed upon by both the BOARD and the APPLICANT.

5.5 DECISION

The concurring vote of five (5) of the seven (7) members of the BOARD shall be necessary to decide in favor of granting a PERMIT. Only those members of the BOARD who were in attendance at the public hearing may vote on the APPLICATION in question.

- 5.5.1 The BOARD will file its DECISION with the Town Clerk and send a copy to the APPLICANT by certified mail. The BOARD shall also send a notice of its DECISION to the property owner, to other TOWN boards and departments, to PARTIES IN INTEREST, and to those who have requested such notice at the public hearing.

5.6 Recording of DECISION

The recording of a DECISION is required by The Zoning Act and the BYLAW. The APPLICANT shall be responsible for recording a full copy of the DECISION in the Middlesex South District Registry of Deeds in Cambridge or the Land Court and for paying any required recording fees. A copy of the recorded DECISION, certified by the Registry of Deeds, must be submitted to the BOARD and the BUILDING Commissioner prior to issuance of a BUILDING Permit or the start of any work.

5.7 Appeal of DECISION

Any person aggrieved by a DECISION of the BOARD, whether or not previously a party to the proceeding, may appeal such DECISION in accordance with M.G.L., Chapter 40A, Section 17 within 20 days after the filing of the DECISION with the Office of the Town Clerk.

5.8 Time Limit for PERMIT

Any PERMIT granted by the BOARD shall lapse within two years from the date of filing of the BOARD'S DECISION with the Office of the Town Clerk unless substantial USE or construction under the PERMIT has begun, except for good cause, or if the BOARD has specified a shorter time period in the DECISION.

A reasonable extension of said time may be granted by the BOARD where good cause is shown. Any request to the BOARD for such an extension of time must be submitted to the BOARD and a copy thereof to the Office of the Town Clerk at least 30 days prior to the date when the PERMIT is due to lapse. Failure to submit such a request as prescribed above shall be due cause for the BOARD to deny the requested time extension.

5.9 As Built Plan

The APPLICANT shall provide two copies plus the original mylar of the As Built Plan.

5.9.1 The As Built Plan shall show:

5.9.1.1 The entire GOLF COURSE including but not limited to the drainage, irrigation, and wastewater disposal systems; final grading and limits of clearing; all driveways and cart paths; parking LOTS; public and private utilities (above and below grade); and BUILDINGS and STRUCTURES as they exist.

5.9.1.2 The main ACCESS driveways “as built,” at a scale of 40 feet to the inch at size 24” x 36”. The plan shall show a centerline profile (4 feet per inch on the vertical scale and 40 feet per inch on the horizontal scale) taken at 50 foot intervals along the main ACCESS driveways (25 foot intervals at vertical curves) as it has been completed.

5.9.1.3 The monuments (main ACCESS driveway bounds) with the dates they were set and the traverse and fixed points on the GOLF COURSE perimeter used to establish the bound locations, all with bearings, distances or coordinate values sufficient to re-establish these points.

5.9.2 All elevations shall refer to the National Geodetic Vertical Datum (NGVD) of 1929.

5.10 Limitation of the DECISION

The granting of a PERMIT constitutes approval only under the pertinent sections of the BYLAW. Other permits or approvals required by other governmental boards, agencies, or bodies having jurisdiction such as the Board of Health, Acton Water District, and Conservation Commission shall not be assumed or implied. The BOARD may condition any PERMIT hereunder on satisfactory demonstration of compliance with the requirements of other governmental bodies having jurisdiction prior to the start of any work on the site, the issuance of a BUILDING Permit, or any other appropriate step in the development process. The APPLICANT is hereby encouraged to seek approvals and certificates of compliance from such other governmental bodies prior to or concurrently with the APPLICATION to the BOARD.

5.11 Repetitive Petition

Pursuant to M.G.L., Chapter 40, Sect. 16, no APPLICATION which has been unfavorably and finally acted upon by the BOARD shall be acted favorably upon within two years after the date of final unfavorable action unless four members of the BOARD vote to find that specific and material changes in the conditions upon which the previous unfavorable action was based have occurred and describe such changes in the records of the BOARD’S proceedings, and all but one member of the BOARD consents to the reconsideration of the matter. Notice to PARTIES IN INTEREST shall be given by the APPLICANT of the time and place of the proceedings at which the question of consent will be considered.

5.12 Amending a GOLF COURSE Special PERMIT

A previously granted PERMIT may be amended by written request to the BOARD or on the BOARD’S own motion. The BOARD shall determine whether any request for further alterations to a site constitutes a minor amendment or if such request should be considered a new APPLICATION requiring a public hearing.

The BOARD may amend a PERMIT without a new public hearing provided it finds that the amendment is not significant to the public interest and is consistent with the purpose and intent of the BYLAW. Consultation with the Planning Department is recommended prior to the filing of any request to amend a PERMIT. The fee for minor amendments shall be \$250.

APPENDIX A

Application for a GOLF COURSE Special Permit

Development Impact Report (DIR)

**SPECIAL PERMIT APPLICATION FOR A
GOLF COURSE IN RESIDENTIAL DISTRICTS**

Refer to the "Special Permit Rules and Regulations for a Golf Course in Residential Districts" available from the Planning Department for details on the information and fees required for this application. Contact the Planning Department at 978-264-9636 with any questions concerning the Rules. Incomplete applications may be denied.

Please type or print your application.

1. Location and Street Address of Site _____
Name of Proposed Development _____
2. Applicant's Name: _____
Address: _____
Telephone _____
3. Record Owner's Name: _____
Address: _____
Telephone _____
4. Zoning District(s) of Parcel(s) _____
Town Atlas Map(s)/ Parcel Number(s) _____
- 5 a) Total Area of Development _____ ac. b) Total Area of Golf Course _____ ac.
c) Type of Golf Course: Public _____ Private _____ d) Number of Dwelling Units _____
e) Total Area of Public Access _____ ac. f) Percent impervious _____
g) Total length of main access drive(s) in feet: _____
h) Number of parking spaces: Total _____ , Number of spaces in overflow parking lot _____
i) Method of sewage disposal _____
j) Method of water supply _____
k) Method of irrigation _____
6. Deed Book & Page number(s) or Land Court Certificate number(s): --- _____

The undersigned hereby apply to the Planning Board for a public hearing and a Golf Course in Residential Districts Special Permit under the Bylaw.

The undersigned hereby certify that the information on this application and plans submitted herewith is correct, and that the application complies with all applicable provisions of Statutes, Regulations, and Bylaws to the best of his/her knowledge. The above is subscribed to and executed by the undersigned under the penalties of perjury in accordance with Section 1-A of Chapter 268, General Laws of the Commonwealth of Massachusetts.

_____ Signature of Petitioner(s)	_____ Signature of Petitioner(s)	_____ Date
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RECORD OWNER'S KNOWLEDGE AND CONSENT

I hereby assert that I have knowledge of and give my consent to the application presented above.

_____ Signature of Record Owner(s)	_____ Signature of Record Owner(s)	_____ Date
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FORM DIR

DEVELOPMENT IMPACT REPORT

The Development Impact Report (DIR) is intended to serve as a guide to the applicant in formulating the development proposal, as well as a guide to the Planning Board in its evaluation of the proposed development in the context of existing conditions and planning efforts by the Town. The DIR should be prepared as early in the development process as possible, even if certain aspects are unknown at that time. It is recommended that the various aspects of the DIR, together with a conceptual development plan, are discussed with the Planning Department staff as soon as possible, prior to the filing of an application for approval of a preliminary plan.

The DIR seeks to raise the broad range of issues generally associated with development plans in a form and in a language that is understandable to a layperson. It assesses development impacts which could possibly be avoided or mitigated if recognized early in the development process. Other portions of the DIR request information which will help the Town plan ahead and ensure adequate services in the future. It is the hope of the Planning Board that the use of the DIR, along with early consultations with the Planning Department staff and the applicant's continuing cooperation throughout the development process, will foster a development of excellent quality and design sensitive to Acton's natural and historic heritage and other community concerns.

The DIR shall be filed with an application for approval of a preliminary and a definitive subdivision plan or a special permit (except for a sign or wireless communication facility special permit). The DIR shall clearly and methodically assess the relationship of the proposed development to the natural, physical, and social environment. In preparing the DIR, professionals of the respective fields shall be consulted and a systematic, interdisciplinary approach shall be utilized which will ensure the integrated use of the natural and social sciences and the environmental design arts in planning, designing and engineering of the proposed project.

DEVELOPMENT IMPACT REPORT

Please type or print information in blanks below.

1. Name of Proposed Subdivision _____
2. Location _____
3. Name of Applicant(s) _____
4. Brief Description of the Proposed Project _____

5. Name of Individual Preparing this DIR _____
Address _____ Business Phone _____

6. Professional Credentials _____

A. Site Description

7. Present permitted and actual land uses by percentage of the site.

<i>USES</i>	<i>Percentage</i>
Industrial	
Commercial	
Residential	
Forest	
Agricultural	
Other (specify)	

8. Total acreage on the site: _____ acres.

Approximate Acreage	At Present	After Completion
Meadow or Brushland (non agriculture)		
Forested		
Agricultural (includes orchards, cropland, pasture)		
Wetland		
Water Surface Area		
Flood Plain		
Unvegetated (rock, earth, or fill)		
Roads, Buildings and other impervious surfaces		
Other (indicate type)		

9. List the zoning districts in which the site is located and indicate the percentage of the site in each district. *Note: be sure to include overlay zoning districts.*

District	Percentage

10. Predominant soil type(s) on the site: _____

Soil drainage (Use the US Soil Conservation Service's definition)

Soil Type	% of the Site
Well drained	
Moderately well drained	
Poorly drained	

11. Are there bedrock outcroppings on the site? ____yes ____no

12. Approximate percentage of proposed site with slopes between:

Slope	% of the Site
0 - 10%	
10 - 15%	
greater than 15%	

13. In which of the Groundwater Protection Districts in the site located? How close is the site to a public well? Zone(s) _____ Proximity to a public well: _____ feet

14. Does the project site contain any species of plant or animal life that is identified as rare or endangered? (Consult with the Massachusetts National Heritage Program and the Acton Natural Resources Director). ____yes ____no

If yes, specify: _____

15. Are there any unusual or unique features on the site such as trees larger than 30 inches D.B.H., bogs, kettle ponds, eskers, drumlins, quarries, distinctive rock formation or granite bridges? ____yes ____no

If yes, specify: _____

16. Are there any established foot paths running through the site or railroad right of ways? ____yes ____no If yes, specify: _____

17. Is the site presently used by the community or neighborhood as an open space or recreation area? ☐yes ☐no

Is the site adjacent to conservation land or a recreation area? ☐yes ☐no

If yes, specify: _____

18. Does the site include scenic views or will the proposed development cause any scenic vistas to be obstructed from view? ☐yes ☐no

If yes, specify: _____

19. Are there wetlands, lakes, ponds, streams, or rivers within or contiguous to the site? ☐yes ☐no

If yes, specify: _____

20. Is there any farmland or forest land on the site protected under Chapter 61A or 61B of the Massachusetts General Laws? ☐yes ☐no

If yes, specify: _____

21. Has the site ever been used for the disposal of hazardous waste? Has a 21E Study been conducted for the site? ☐yes ☐no

If yes, specify results: _____

22. Will the proposed activity require use and/or storage of hazardous materials, or generation of hazardous waste? ☐yes ☐no

If yes, specify _____

23. Does the project contain any buildings or sites of historic or archaeological significance? (Consult with the Acton Historic Commission or the Action Historical Society.)
☐yes ☐no

If yes, please describe _____

24. Is the project contiguous to or does it contain a building in a local historic district or national register district? ☐yes ☐no

25. Is the project contiguous to any section of the Isaac Davis Trail?
☐yes ☐no If yes, please describe _____

B. Circulation System

26. What is the average weekday traffic and peak hour traffic volumes generated by the proposed subdivision?

Average weekday traffic	
Average peak hour volumes morning	
Average peak hour volumes evening	

27. Existing street(s) providing access to proposed subdivision:

Name _____ Town Classification _____

28. Existing intersection(s): list intersections located within 1000 feet of any access to the proposed development:

Name of ways _____

29. Location of existing sidewalks within 1000 feet of the proposed site? _____

30. Location of proposed sidewalks and their connection to existing sidewalks:

31. Are there parcels of undeveloped land adjacent to the proposed site? ___yes ___ no

Will access to these undeveloped parcels be provided within the proposed site?

___yes ___ no If yes, please describe _____

If no, please explain why _____

C. Utilities and Municipal Services

32. If dwelling units are to be constructed, what is the total number of bedrooms proposed? _____

33. If the proposed use of the site is nonresidential, what will the site be specifically Used for and how many feet of Gross floor area will be constructed? _____

34. Storm Drainage

a. Describe nature, location and surface water body receiving current surface water of the site: _____

b. Describe the proposed storm drainage system and how it will be altered by the proposed development: _____

c. Will a NPDS Permit be required? ___yes ___ no

35. In the event of fire, estimate the response time of the fire department (consult with Fire Dept.)
36. Schools (if residential)
 - a. Projected number of new school age children: _____
 - b. Distance to nearest school: _____

E. Measures to Mitigate Impacts

Attach brief descriptions of the measures that will be taken to:

37. Prevent surface water contamination.
38. Prevent groundwater contamination.
39. Maximize groundwater recharge.
40. Prevent erosion and sedimentation.
41. Maintain slope stability.
42. Design the project to conserve energy.
43. Preserve wildlife habitat.
44. Preserve wetlands.
45. Ensure compatibility with the surrounding land uses.
46. Control peak runoff from the site so that the post-development rate of runoff will be no greater than the predevelopment rate of runoff for the 10-year storm event..
47. Preserve historically significant structures and features on the site.
48. To mitigate the impact of the traffic generated by the development.

Please use layman's terms where possible while still being accurate and comprehensive. Where appropriate, graphics shall be used. Use additional sheets as necessary.